

*Final Staff Assessment
(Part 1 of 3)*

**ELK HILLS
POWER PROJECT**

**Application for Certification (99-AFC-1)
Kern County, California**

DOCKET	
99-AFC-1	
DATE	JAN 05 2000
RECD.	JAN 05 2000



**JANUARY 2000
CALIFORNIA
ENERGY
COMMISSION**

Gray Davis, Governor

99-AFC-1

PROOF OF SERVICE (REVISED _____)
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procurement specifications and contracts. Design work will be performed in accordance with the appropriate LORS. This list indicates that the applicant is aware of the codes, standards, and design criteria appropriate for such a project. This approach will likely assure the project's electrical systems are designed to the appropriate codes and standards.

Staff concludes that the applicant can design the electrical systems in accordance with all LORS and in a manner which protects the environment and public health and safety by complying with the applicable LORS and electrical design criteria (EHPP 1999a, Appendix E). Staff has proposed conditions of certification (**ELEC-1** and **ELEC-2**, below) to monitor this compliance.

ANCILLARY FACILITIES

NATURAL GAS SUPPLY LINE

The project will be fueled with locally produced natural gas from the Elk Hills Oil and Gas Field. Natural gas will be conveyed to the powerplant site via a 2,500 foot, 10-inch supply pipeline extending from a 20-inch gas pipeline supplied from the existing, nearby gas processing facilities operated by Occidental of Elk Hills, Inc. (OEHI).

EMISSION CONTROLS

NO_x emissions from the combustion process will be reduced to 2.5 parts per million by volume dry (ppmvd), or less, at 15 percent oxygen, by utilizing dry low NO_x combustion technology and a SCR system. The SCR system will use anhydrous ammonia for the reduction process.

WATER SUPPLY PIPELINE

West Kern Water District (WKWD) will supply water for the proposed project. The water will be conveyed via a 9.8 mile, 16-inch water supply pipeline extending from the existing WKWD facilities located east of the powerplant site and adjacent to State Highway 119.

WASTEWATER PIPELINE

Wastewater collected in the plant wastewater collection tank is disposed of by injection into new disposal wells. The new disposal wells will be located near existing disposal wells used to dispose of produced water from OEHI's operation. The wastewater discharge of the plant will be conveyed by a new 4.4 mile, 6-inch pipeline to the new wells, located south of the powerplant site.

PROJECT QUALITY PROCEDURES

The AFC describes a Project Quality Program that will be used on the project to maximize confidence that systems and components will be designed, fabricated, stored, transported, installed, and tested in accordance with the technical codes and standards appropriate for a powerplant. Compliance with design requirements will be verified through an appropriate program of inspections and audits. Employment